Abstract

An optical route design system and method are described that can effectively calculate and display for a user how much margin there is in a design of an optical span. Basically, the optical route design system has a processor capable of determining whether a design of an optical span is an operable optical span and also capable of performing a margin analysis on the operable optical span to determine how much change the operable optical span can tolerate before the operable optical span becomes an inoperable optical span. The optical route design system also includes a display capable of presenting the results of the margin analysis to a user.